

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L3    | 1046 | 228/2.1,112.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/09<br>08:26 |
| L4    | 20   | friction near5 (stir\$3 or<br>churn\$3) same weld\$3<br>and motor same spring          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/09<br>08:28 |
| L5    | 1    | friction near5 weld\$3 and<br>ball near5 spring same<br>(belt or pulley) same<br>motor | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/09<br>08:38 |
| L6    | 890  | motor same ball near5<br>spring same (belt or<br>pulley)                               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/09<br>09:04 |
| L7    | 122  | 6 and weld\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/09<br>09:05 |
| L8    | 9    | weld\$3 and hummer and<br>stopper  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/09<br>09:13 |
| L9    | 12   | (friction or spot) near5<br>weld\$3 and hummer   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/09<br>09:15 |
| L10   | 11   | 9 not 8  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/12/09<br>09:15 |

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| L11 | 2886 | (friction or spot) near5<br>weld\$3 and yoke   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/12/09<br>09:19 |
| L12 | 53   | 11 and "228"/\$.ccls. and<br>@ad<"20040319"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/12/09<br>09:20 |
| L13 | 2    | jp-2001314982-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/12/09<br>09:28 |
| L14 | 3    | ("6823713").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/12/09<br>09:28 |
| L15 | 2    | ("6832713").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/12/09<br>09:29 |
| L16 | 30   | ("20030029903"  <br>"3429306"   "3503379"  <br>"5460317"   "5697544"  <br>"5813592"   "5893507"  <br>"5964233"   "6045027"  <br>"6045028"   "6050474"  <br>"6050475"   "6053391"  <br>"6102031"   "6164273"  <br>"6192878"   "6247633"  <br>"6299050"   "6302315"  <br>"6325273"   "6367681"  <br>"6536651"   "6585443"  <br>"6601751"   "6604667").<br>PN. OR ("6832713").<br>URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/12/09<br>09:30 |
| L17 | 1    | (friction or spot) near5<br>(weld\$3 or join\$3) and<br>motor near10 ball adj<br>spring same (belt or<br>pulley) and rotat\$4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/12/09<br>09:55 |

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| L18 | 1 | motor near10 ball adj<br>spring same (belt or<br>pulley) and rotat\$4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/12/09<br>09:55 |
| L19 | 9 | ("2003/0029903").URPN.  | USPAT   | OR | ON  | 2008/12/09<br>09:58 |
| L20 | 1 | (friction or spot) near5<br>(weld\$3 or join\$3) and<br>ball adj spring same (belt<br>or pulley) and rotat\$4 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/12/09<br>10:02 |
| L21 | 2 | jp-2001314983-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/12/09<br>10:33 |
| L22 | 4 | ("6601571").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/12/09<br>10:33 |
| L23 | 4 | ("6601751").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/12/09<br>10:34 |
| L24 | 2 | jp-2002137070-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/12/09<br>10:35 |
| L25 | 2 | ("6645132").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/12/09<br>10:36 |
| L26 | 2 | jp-2001314982-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/12/09<br>10:37 |

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| L27 | 4      | ("6325273"   "6419142"   "6421578"   "6450395").<br>PN. OR ("6715665").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/12/09<br>10:42 |
| L28 | 103663 | rotat\$4 same (shaft or<br>rod) and (hummer or<br>yoke)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>11:04 |
| L29 | 10366  | weld\$3 same rotat\$4<br>same (shaft or rod) and<br>(hummer or yoke)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>11:04 |
| L30 | 214    | 29 and "228"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>11:05 |
| L31 | 910    | hirano-satoshi.in. or aota-<br>kinya.in. or inagaki-<br>masahisa.in. or okamoto-<br>kazutaka.in. or odakura-<br>tomio.in. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>11:09 |
| L32 | 236    | 31 and (friction or spot)<br>near5 (weld\$3 or join\$3)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/12/09<br>11:11 |
| S1  | 1019   | 228/2.1,112.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/07<br>15:56 |
| S2  | 74     | S1 and friction near5 (stir<br>\$3 or spot or churn\$3)<br>near5 weld\$3 same tilt\$3                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/07<br>16:03 |
| S3  | 0      | S1 and ball near5 spring<br>near10 belt same driv\$3<br>near5 (tool or head or pin<br>or probe)                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/07<br>17:51 |

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| S4 | 0  | S1 and spring near10 belt same (driv\$3 or mov\$3) near5 (tool or head or pin or probe)               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/07<br>17:51 |
| S5 | 0  | S1 and spring near10 belt same (driv\$3 or mov\$3) same weld\$3 near10 (tool or head or pin or probe) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/07<br>17:52 |
| S6 | 62 | spring near10 belt same (driv\$3 or mov\$3) same weld\$3 near10 (tool or head or pin or probe)        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/07<br>17:53 |
| S7 | 0  | S6 and "228".clas. and @ad< "20050316"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/07<br>17:53 |
| S8 | 14 | S6 and @ad< "20050316"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/08/07<br>17:53 |
| S9 | 2  | ("5605276").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/08/08<br>13:03 |

12/ 9/ 2008 11:17:17 AM

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